

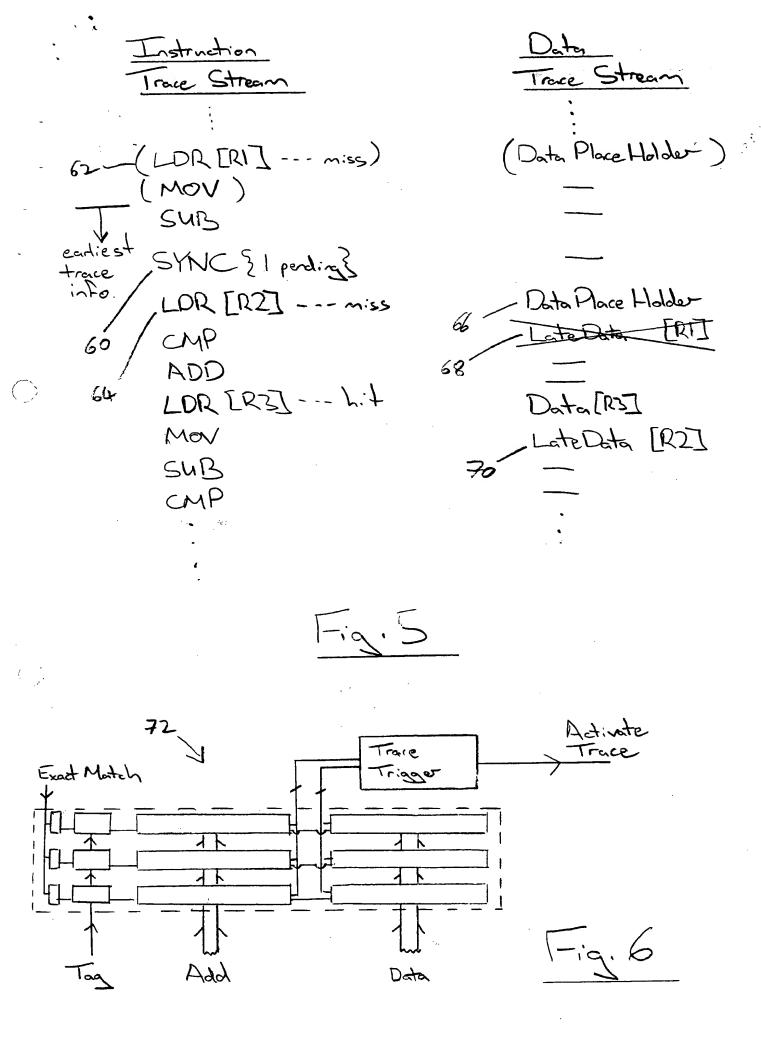
.

H:+/Miss Data Data [Rm] H:+ NA N/A Miss M/M N/A Miss 24 LDR[R2] MOV CMP Miss AIN 28 - Data [R2] ANA Data [RI] N/A CICA

Fig. 2

MOV CMP 36 Data Place Holder Tag 2 LDRIR] -- L:+ LDR[R3]-- miss 38 ADD 42 - Late Data Tag 2 [R3] 44 - Late Data Tag 1 [R1] MON SUB Fig. 3 Instruction LDR[R]--miss CMP ADD Data [R2] LOR[R]-- hit 52 Data Place Holder 1 perding 54 Late Data [RI] 50 - LDR [R3] - miss SUB SX - Data Place Holder I perding LDR [R4] -- miss Late Oata [R3] Late Data [R4]

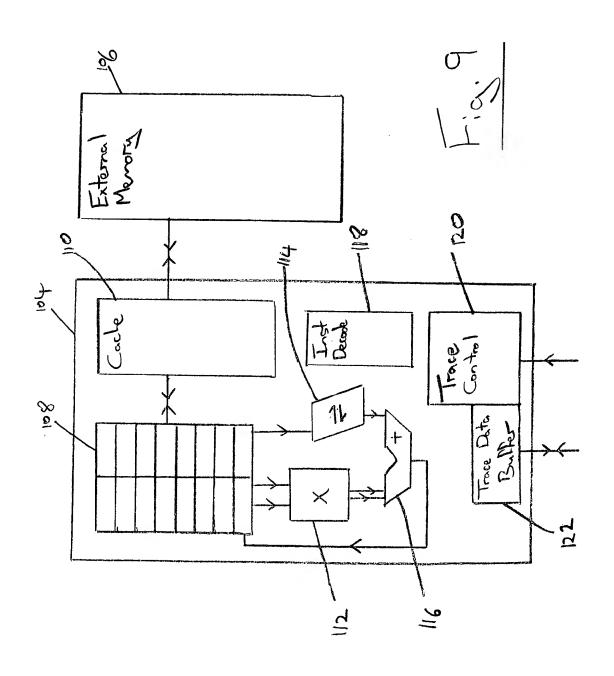
Fig. 4



LDR [RI] --- miss Data [RI] - 1 Fig. 7 Add Match Exact Match Data Match Trace Advation

Fig. 8

<u>/</u>/



[Add]
[Add+4]
[Add+4]
[Add+12]
[Add+12]
[Add+16] poss in perallel 11111 SACTE SACTE SM R.[ANJ], Reg List 16 bits 110100010000

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- .,

[ESM], {Dela-83, & DW3 }, {Place Holder }; {Place Holder ← PI > R3 ([Add + 8]. R7 (M+12) () - () [Mala) + 16] (Add +4] Court back to R3

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